

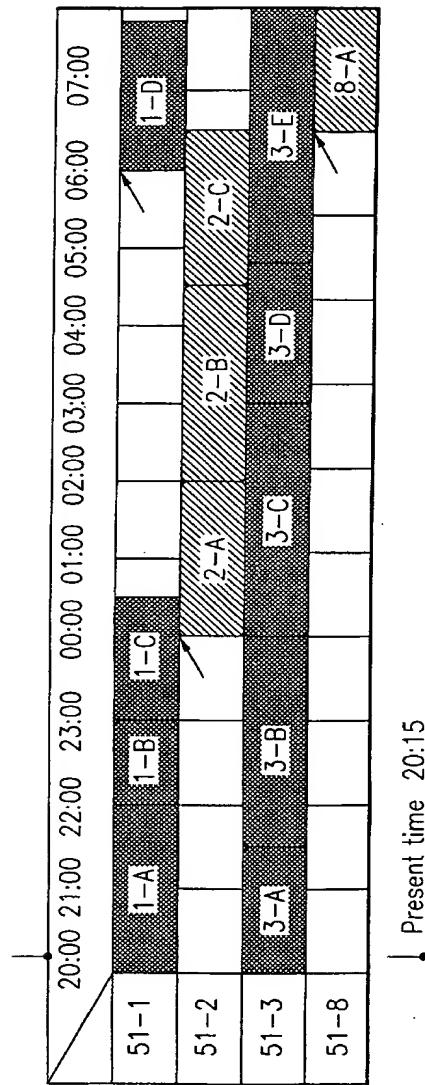


FIG. 1
Background Art

Syntax	Bits	Format
terrestrial_virtual_channel_table_section(){		
table_id	8	0xC8
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
transport_stream_id	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	bslbf
section_number	8	uimsbf
last_section_number	8	uimsbf
protocol_version	8	uimsbf
num_channels_in_section	8	uimsbf
for(i=0; i<num_channels_in_section; i++){		
short_name	7*16	unicode™ BMP
reserved	4	'1111'
major_channel_number	10	uimsbf
minor_channel_number	10	uimsbf
modulation_mode	8	uimsbf
carrier_frequency	32	uimsbf
channel_TSID	16	uimsbf
program_number	16	uimsbf
ETM_location	2	uimsbf
access_controlled	1	bslbf
hidden	1	bslbf
reserved	6	'111111'
service_type	6	uimsbf
source_id	16	uimsbf
reserved	6	'111111'
descriptors_length	10	uimsbf
for(i=0; i<N; i++) {		
descriptors()		
}		
} /* end of for loop */		
reserved	6	'111111'
additional_descriptors_length	10	uimsbf
for(j=0; j<N; j++){additional_descriptors()		
}		
CRC_32	32	rpchof



FIG. 2



Present time 20:15



FIG. 3

Syntax	Bits	Format
terrestrial_virtual_channel_table_section()		
table_id	8	0xC8
section_syntax_indicator	1	'1'
private_indicator	1	'1'
reserved	2	'11'
section_length	12	uimsbf
transport_stream_id	16	uimsbf
reserved	2	'11'
version_number	5	uimsbf
current_next_indicator	1	bslbf
section_number	8	uimsbf
last_section_number	8	uimsbf
protocol_version	8	uimsbf
num_channels_in_section	8	uimsbf
for(i=0; i<num_channels_in_section; i++) {		
short_name	7*16	unicode TM BMP
reserved	4	'1111'
major_channel_number	10	uimsbf
minor_channel_number	10	uimsbf
modulation_mode	8	uimsbf
carrier_frequency	32	uimsbf
channel_TSID	16	uimsbf
program_number	16	uimsbf(invention-1)
ETM_location	2	uimsbf
access_controlled	1	bslbf
hidden	1	bslbf
#endif(invention-2)		
reserved	2	'11'
inactive_channel	1	bslbf
#else(original)	reserved	'111'
#endif	reserved	'111111'
service_type	6	uimsbf
source_id	16	uimsbf
reserved	6	'111111'
descriptors_length	10	uimsbf
for(i=0; i<N; i++) {		
descriptors()(invention-3)		
}		
} /* end of for loop */		
reserved	6	'111111'
additional_descriptors_length	10	uimsbf
for(j=0; j<N; j++) {additional_descriptors()		
}		
CRC_32	32	rpchof



FIG. 4

Syntax	Bits	Format
cable_virtual_channel_table_section(){		
.table_id	8	0xC8
.section_syntax_indicator	1	'1'
.private_indicator	1	'1'
.reserved	2	'11'
.section_length	12	uimsbf
.transport_stream_id	16	uimsbf
.reserved	2	'11'
.version_number	5	uimsbf
.current_next_indicator	1	bslbf
.section_number	8	uimsbf
.last_section_number	8	uimsbf
.protocol_version	8	uimsbf
.num_channels_in_section	8	uimsbf
for(i=0; i<num_channels_in_section; i++) {		
.short_name	7*16	unicode™ BMP
.reserved	4	'1111'
.major_channel_number	10	uimsbf
.minor_channel_number	10	uimsbf
.modulation_mode	8	uimsbf
.carrier_frequency	32	uimsbf
.channel_TSID	16	uimsbf
.program_number	16	uimsbf(invention-1)
.ETM_location	2	uimsbf
.access_controlled	1	bslbf
.hidden	1	bslbf
.path_select	1	bslbf
.out_of_band	1	bslbf
#endif(invention-2)		
.inactive_channel	1	bslbf
.reserved	3	'111'
#endif(original)		
.reserved	4	'1111'
#endif		
.service_type	6	uimsbf
.source_id	16	uimsbf
.reserved	6	'111111'
.descriptors_length	10	uimsbf
for(i=0; i<N; i++) {		
.descriptors()(invention-3)		
}		
} /* end of for loop */		
.reserved	6	'111111'
.additional_descriptors_length	10	uimsbf
for(j=0; j<N; j++) {additional_descriptors()		
}		
.CRC_32	32	rpchof